



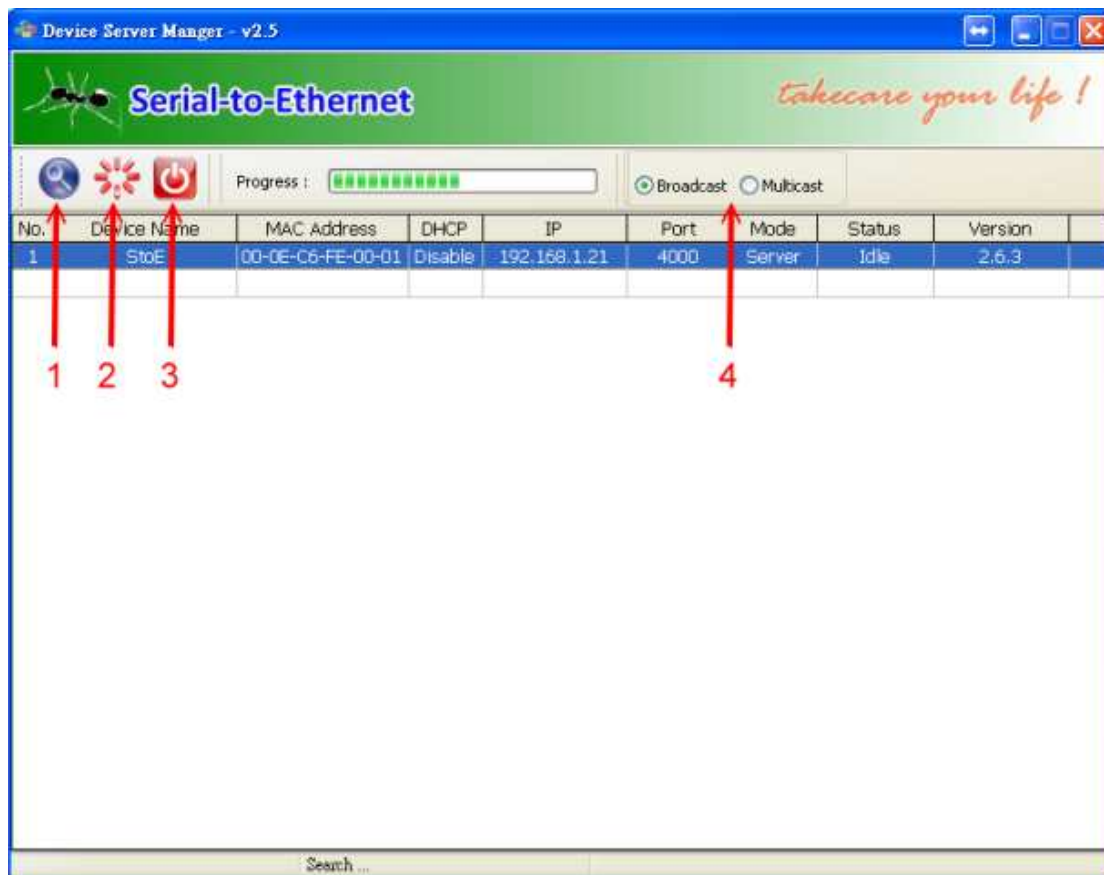
DSM Utility User's Guide

(Version 2.5.0)

DSM Operation:

1. Run DSM.exe.
2. Press [Search] button to search available device servers on the LAN. In the demo application, one device server will be found.
3. Founded device servers will be showed in Device Server List. On the list user can acquire the device server's settings including connection type, IP address, and port number, and so on.

Main Window:



The main window mainly provides 4 functions,

- (1) **Search**: to search available device server(s) on the LAN.
- (2) **Reboot**: to restart the selected device server(s).
- (3) **Exit**: to quit this utility.
- (4) **Search mode** : Select broadcast or multicast mode.

The Device Server List and the following information are displayed:

Category	Description
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No	Device server index
Device Name	Device server name, 16 bytes maximum string
MAC Address	Device server MAC address
DHCP	Enable or disable
IP	- If DHCP is enabled, dynamic IP is acquired from the DHCP server, - Or, static IP is assigned as dynamic IP.
Port	- Server mode: data packet listening port - Client mode: destination port
Mode	Client or Server
Status	- Idle: the device server has no TCP or UDP connection. - Connected: the device server has a TCP or UDP connection.
Version	-Version 2.6.2 only one by one connects to Ethernet for setting. -After version 2.6.3 simultaneously connect to Ethernet for setting.

If a device server shows “Connected” status, it indicates that data transmission task is in progress. To avoid any unexpected interrupts during data transmission, DS Manager prohibits user from operations including device setup, reset, reboot and upgrade for those device server which status is “Connected”.

Device Setup Dialog:

When click [Device Setup] button on main window, the Device Setup dialog will appear:



Device Setup

Network SettingSerial Port Setting

Device NameuReader

MAC Address00-0E-C6-FE-00-15

DHCPDisable

Server

Listening IP192.168.1.100

Data listening port4000

Client

Destination IP192.168.1.2

Destination port5000

Data Packet Type

UDP

☒ TCP

☐ Auto connect after reboot

Management Packet Type

☒ Broadcast

☐ Multicast

Netmask255.255.255.0

Gateway192.168.1.254

DNS Server168.95.1.1

Transmit Time (ms)1

☒ Enable Reboot

Submit

Save

Load

Device Setup

Network SettingSerial Port Setting

Baud Rate57600

Data Bit8

ParityNone

Stop Bit1

Flow ControlNone

RS232Internet

Easy to build in your system.

Support cross network domain setting.

Low cost high performance.

Submit

Save

Load

The Device Setup dialog provides three functions,

- (1) **Save**: save the settings to a file.
- (2) **Load**: read a set of settings from a file.
- (3) **Submit**: submit new settings.

The Device Setup dialog consists of two tab: [Network Setting] and [Serial Port setting].

Network Setting :

The [Network Setting] tab provides following parameters:

Parameter	Description
Device Name	Device identification string
MAC Address	Multicast IP address



DHCP	Enable / disable DHCP client function
Server	Enable Server mode
Listening IP	Search via UDP broadcast packet
Data Listening Port	Server data packet listening port
Client	Enable Client mode
Destination IP	Remote host IP address
Destination Port	Remote host listening port
TCP	Transmit serial data via TCP packet
UDP	Transmit serial data via UDP packet
Multicast	Transmit management data via multicast packet
Broadcast	Transmit management data via broadcast packet
Netmask	Subnet mask
Gateway	Gateway IP address
DNS Server	DNS server IP address
Transmit Timer	Time interval to send out serial data packet

Serial Port Setting :

The [Serial Port Setting] tab provides following parameters:

Parameter	Description
Baud rate	Data transfer rate per second
Data bits	Data bits
Parity	Parity check
Stop bits	Stop bits
Flow control	Flow control

Multicast Search Mode :

Default multicast IP address is "255.1.2.3", user can modify this IP address for you want.

